

# *A Climate Change Strategy for San Francisco Bay*



San Francisco Bay Conservation and Development Commission

















**MISSION ACCOMPLISHED**

***Positive proof of global warming.***



1800's

1900's

1950

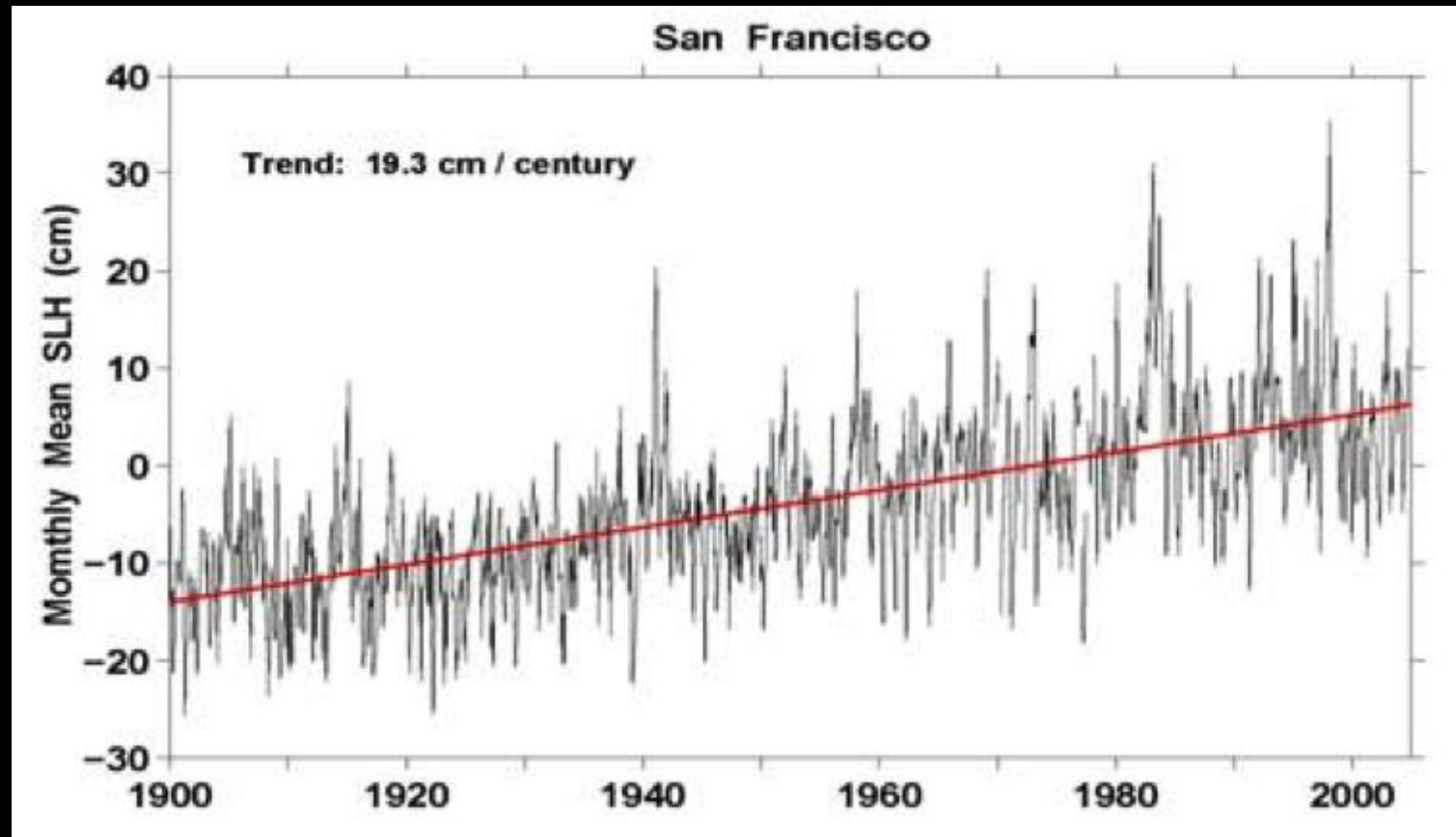
1970

1980

1990



# *San Francisco-observed sea level with trend of 19.3 cm (0.63 feet) per century*

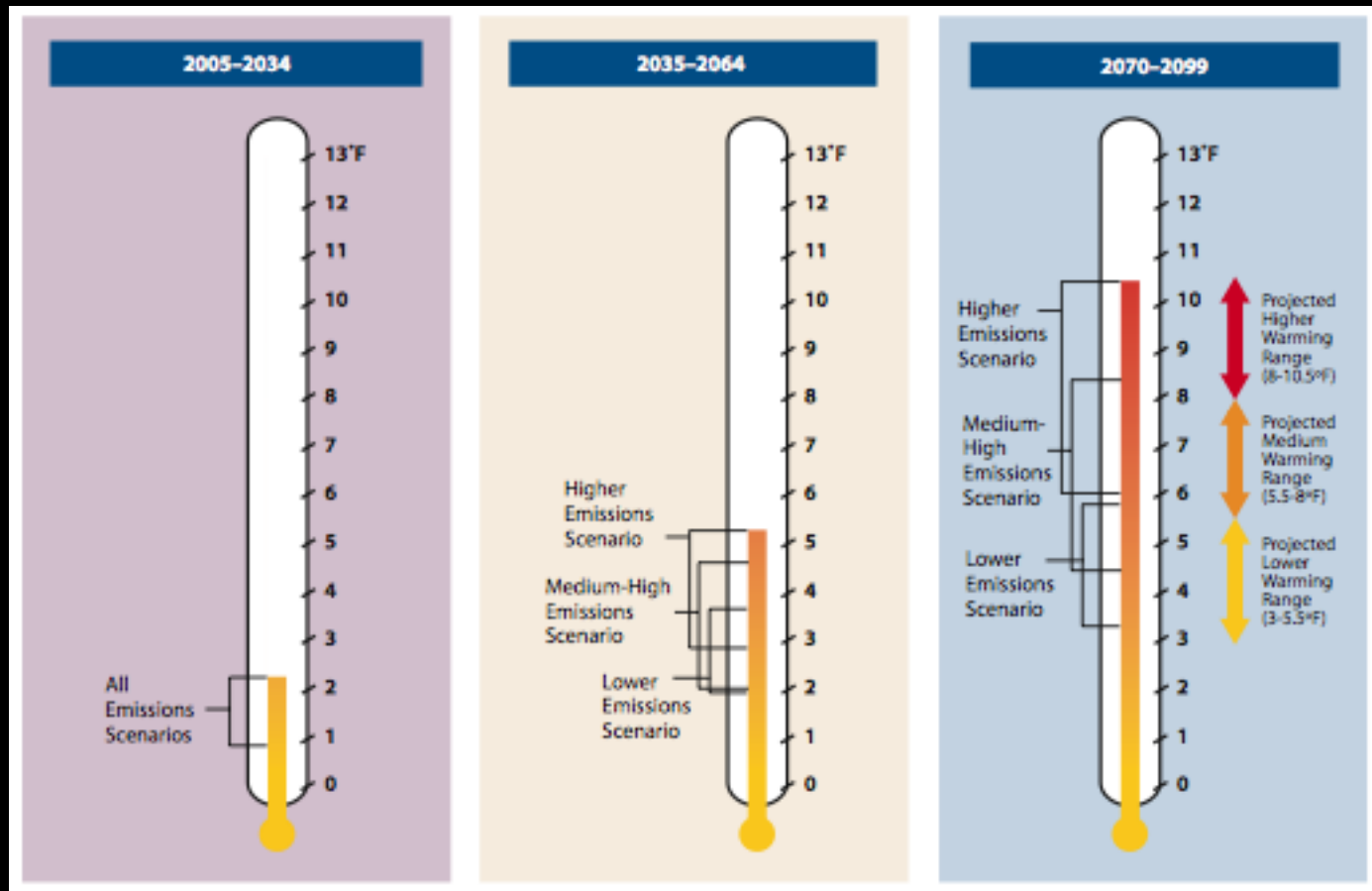


Source: California Climate Action Team Report 2006



# *Climate Change Scenarios for California*

Three Emissions Scenarios: Lower, Medium-High, Higher

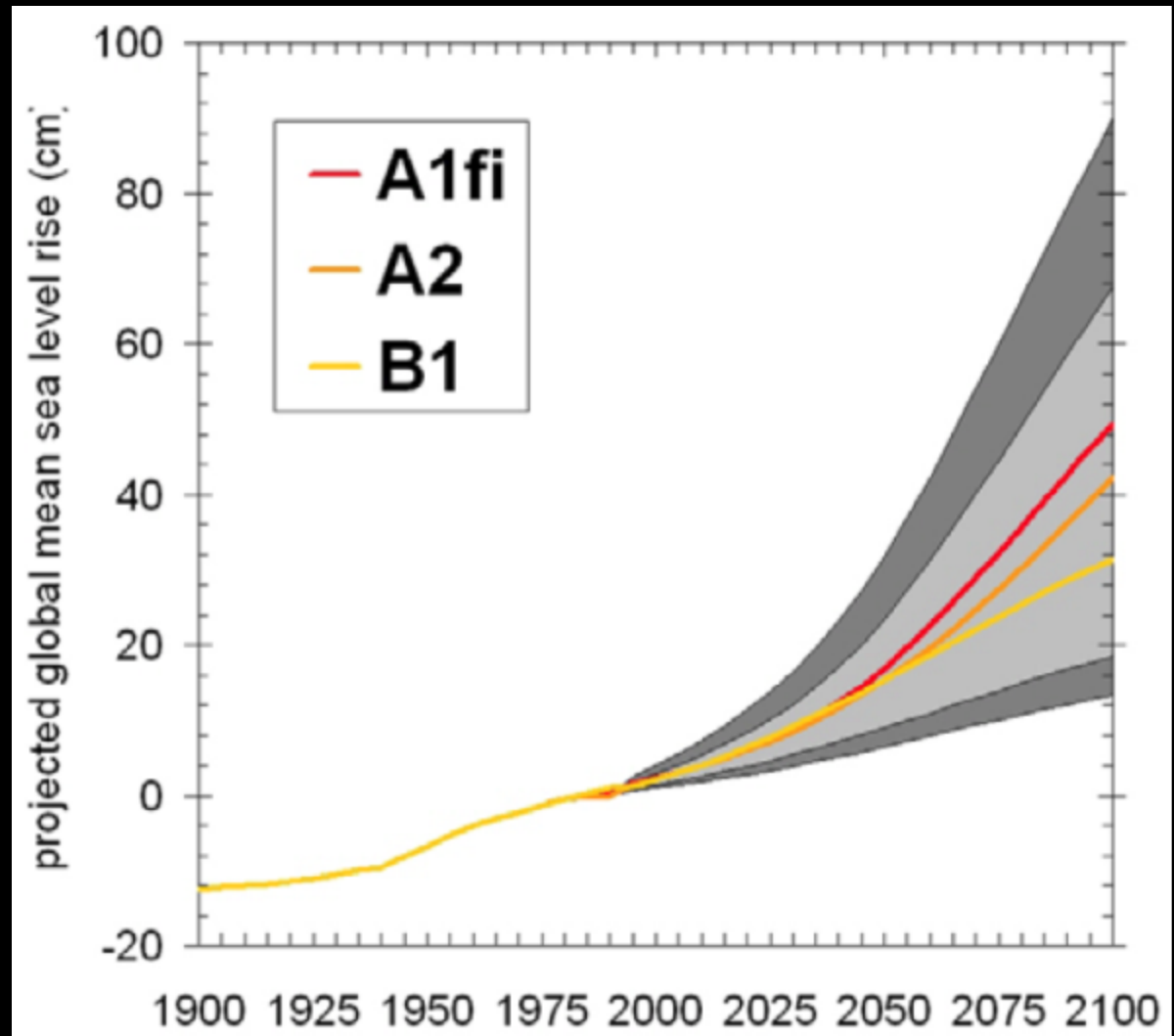


Source: California Climate Action Team Report 2006

# *Projected Sea Level Rise*

## Three Emissions Scenarios:

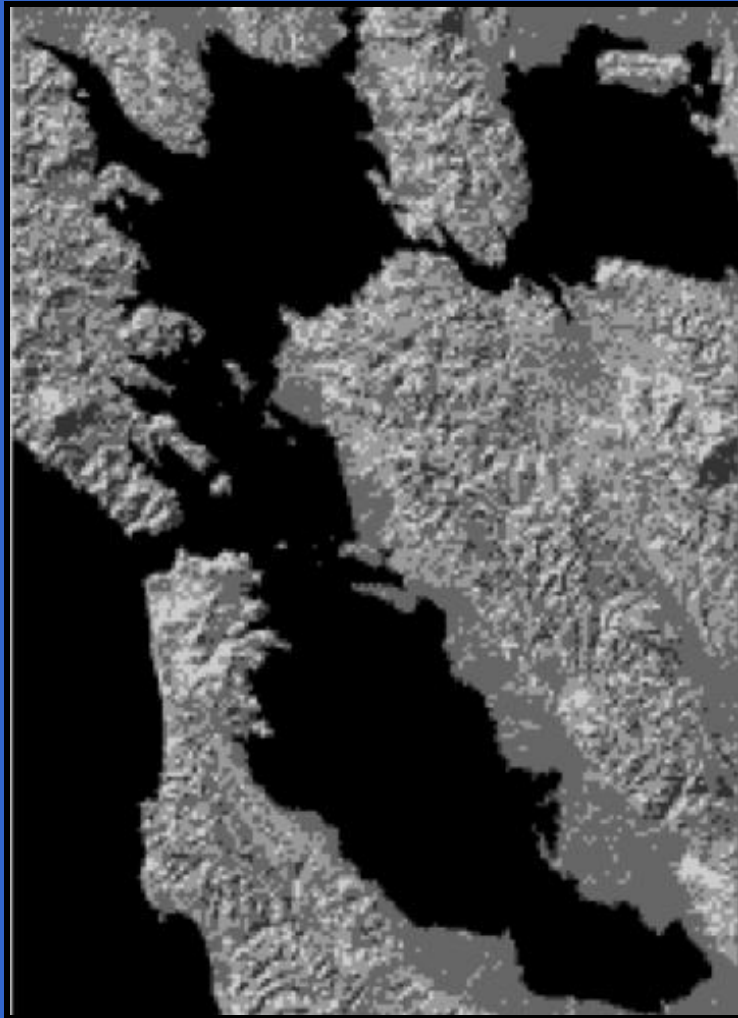
- A1fi - high
- A2 - medium-high
- B1 - low



Source: California Climate Action Team Report 2006



**1849**



**2100**







UCSF Mission Bay



# *San Francisco International Airport*

One Meter Sea Level Rise



# *Oakland International Airport*

One Meter Sea Level Rise





# *Silicon Valley*

One Meter Sea Level Rise







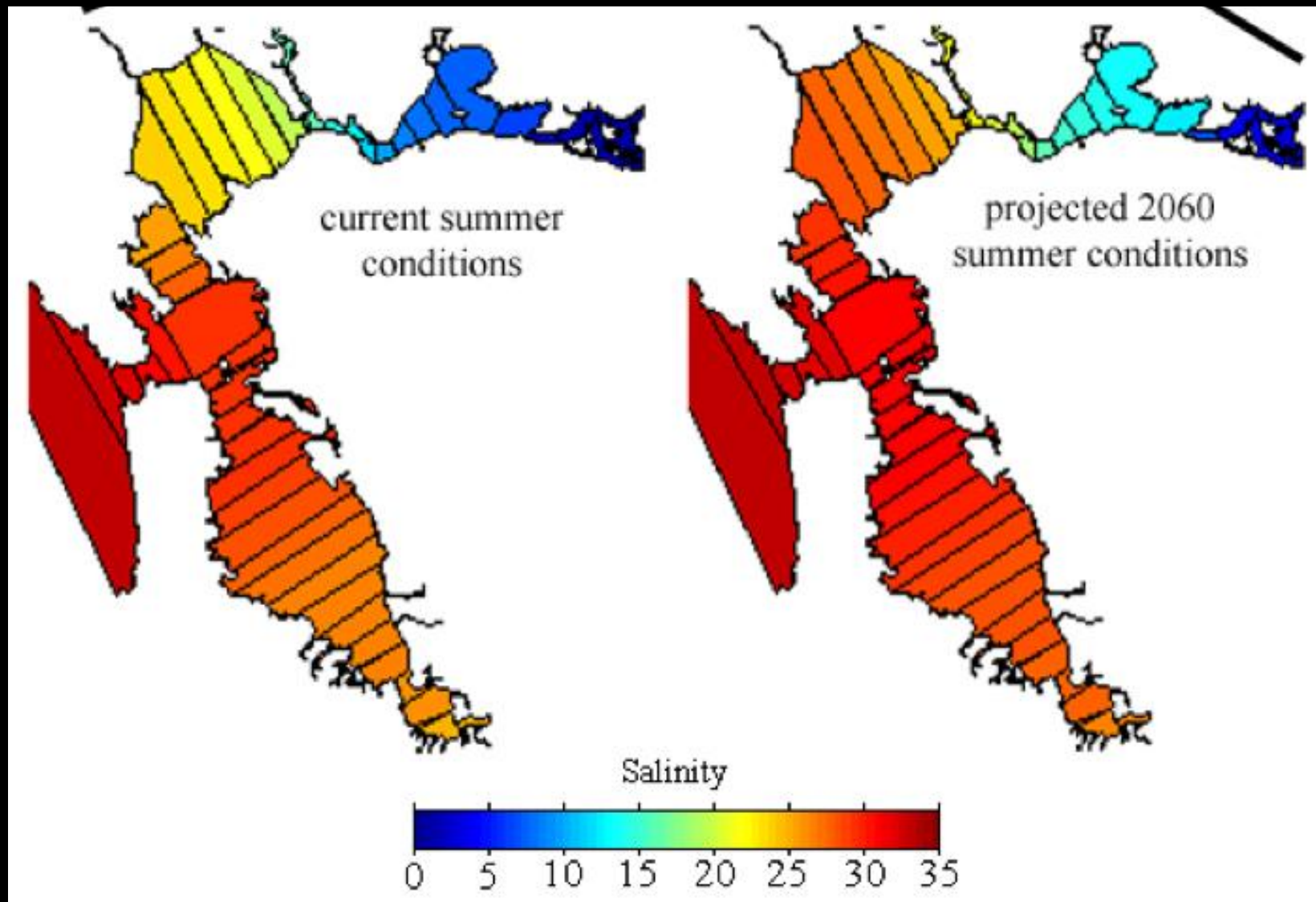
# *Increased Storm Activity*



A 30 cm (11.8 inches) increase in sea level rise would shift the 100-year storm surge-induced flood event to once every 10 years.







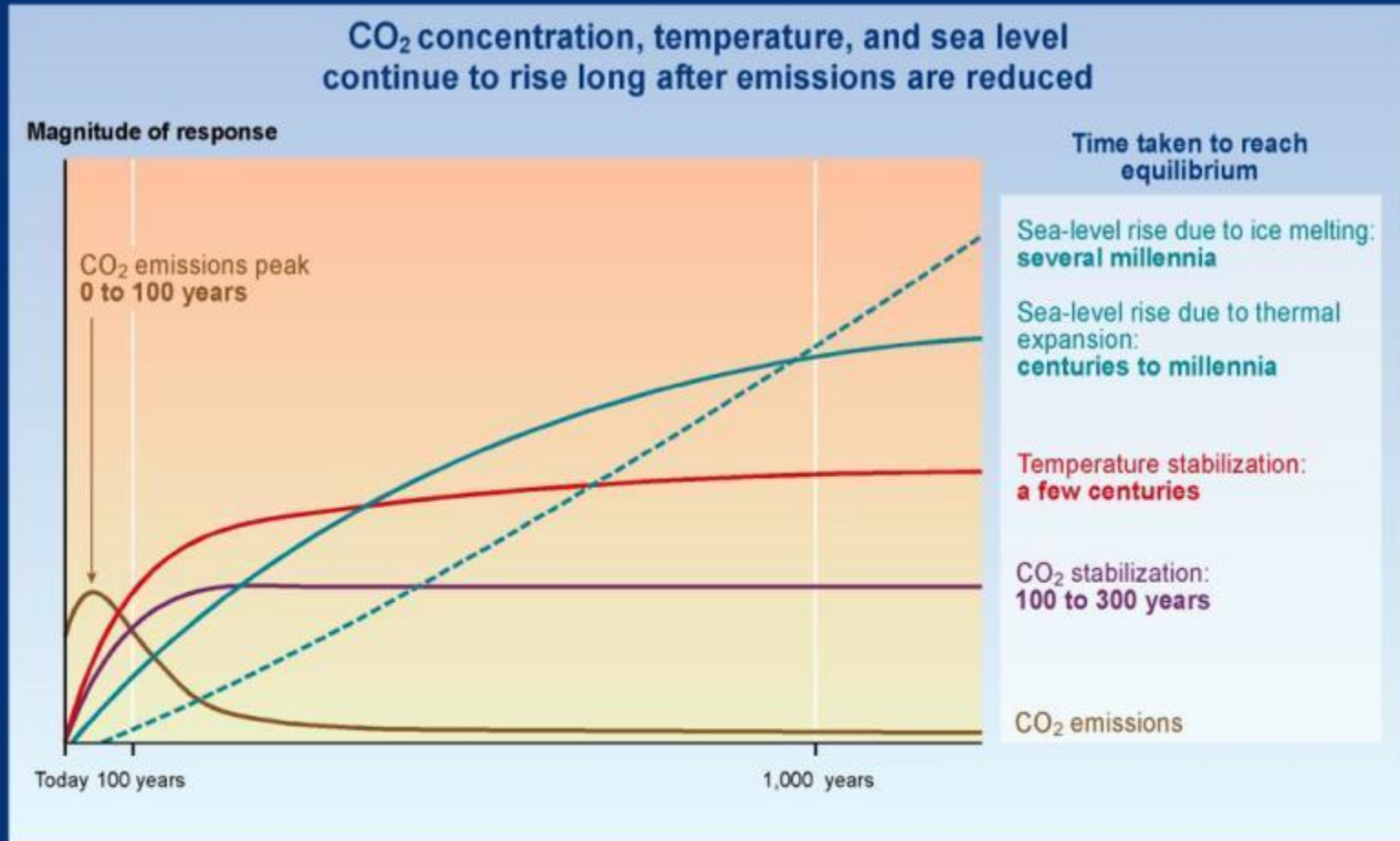
Cayan et. al. 2005







# Adaptation is a Necessity



SYR - FIGURE 5-2









## San Francisco Bay Scenario for Sea Level Rise San Francisco Bay



San Francisco Bay  
1 m sea level rise



Map is based on USGS elevation data and NOAA imagery. Map is illustrative and depicts a potential inundation scenario in 2100. Limitations in the geographic data available may affect accuracy. Map should not be used for planning purposes.

## San Francisco Bay Scenario for Sea Level Rise Richardson Bay



San Francisco Bay  
1 m sea level rise



Map is based on USGS elevation data and NOAA imagery. Map is illustrative and depicts a potential inundation scenario in 2100. Limitations in the geographic data available may affect accuracy. Map should not be used for planning purposes.

## San Francisco Bay Scenario for Sea Level Rise SFO



San Francisco Bay  
1 m sea level rise



Map is based on USGS elevation data and NOAA imagery. Map is illustrative and depicts a potential inundation scenario in 2100. Limitations in the geographic data available may affect accuracy. Map should not be used for planning purposes.





















# FEMA

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**Historic Flood Maps are now available for most of the United States.**

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Learn how to create FIRMettes. They're free!

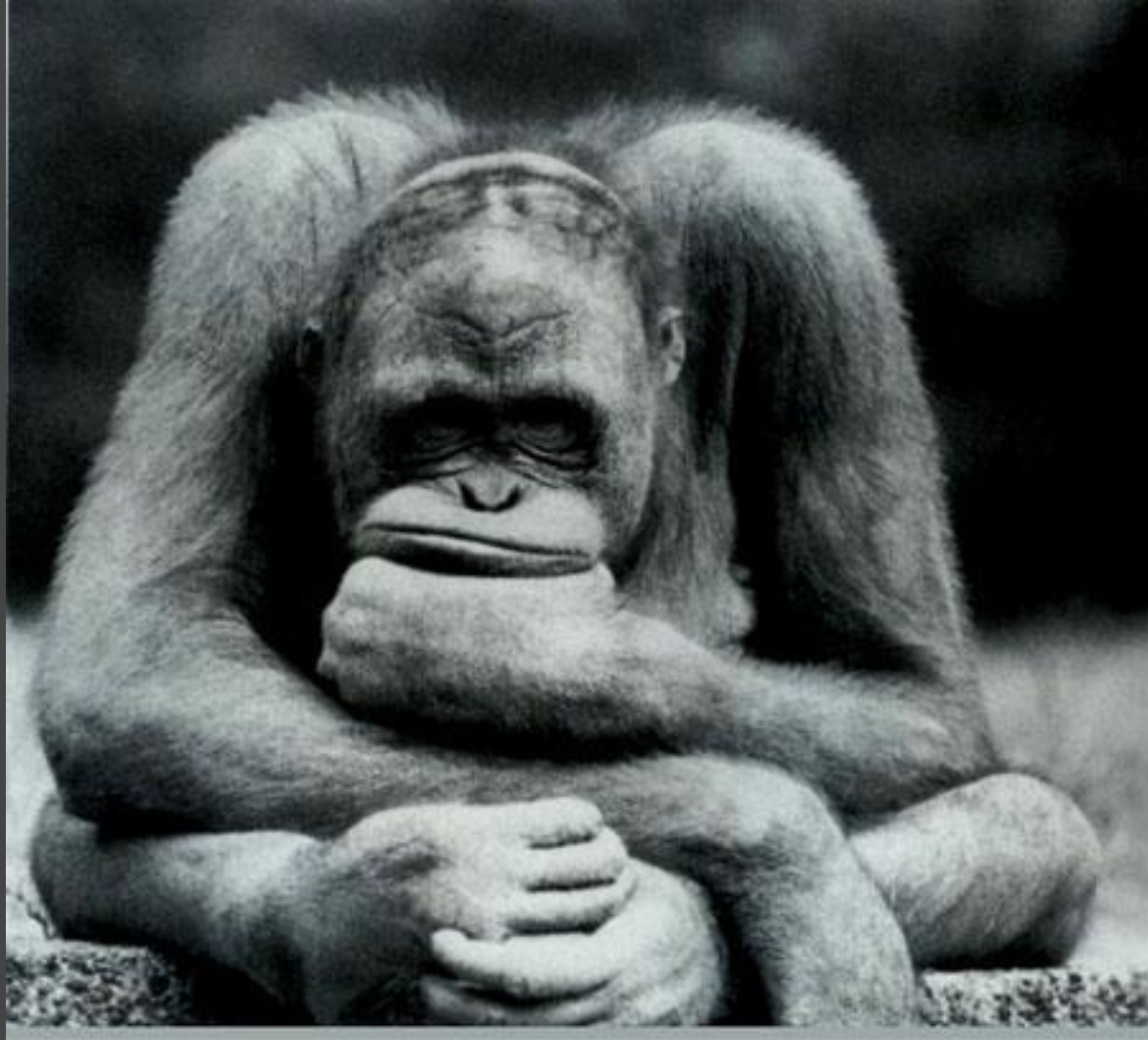


### More Information

[Product Information](#)[How to Order](#)[Price List](#)[How do I find the flood map for my](#)







Oh what to to, what to doooo?

*Sorry*

**CLOSED**

**DUE TO  
ADVERSE  
WEATHER  
CONDITIONS**



# San Francisco Bay Plan

San Francisco Bay Conservation  
and  
Development Commission





























































Greco Island



© 2007 Europa Technologies

Image © 2007 TerraMetrics

©2007 Google™

Pointer 37°29'59.94" N 122°11'33.92" W elev 2 m Streaming ||||| 100%

Eye alt 3.28 km

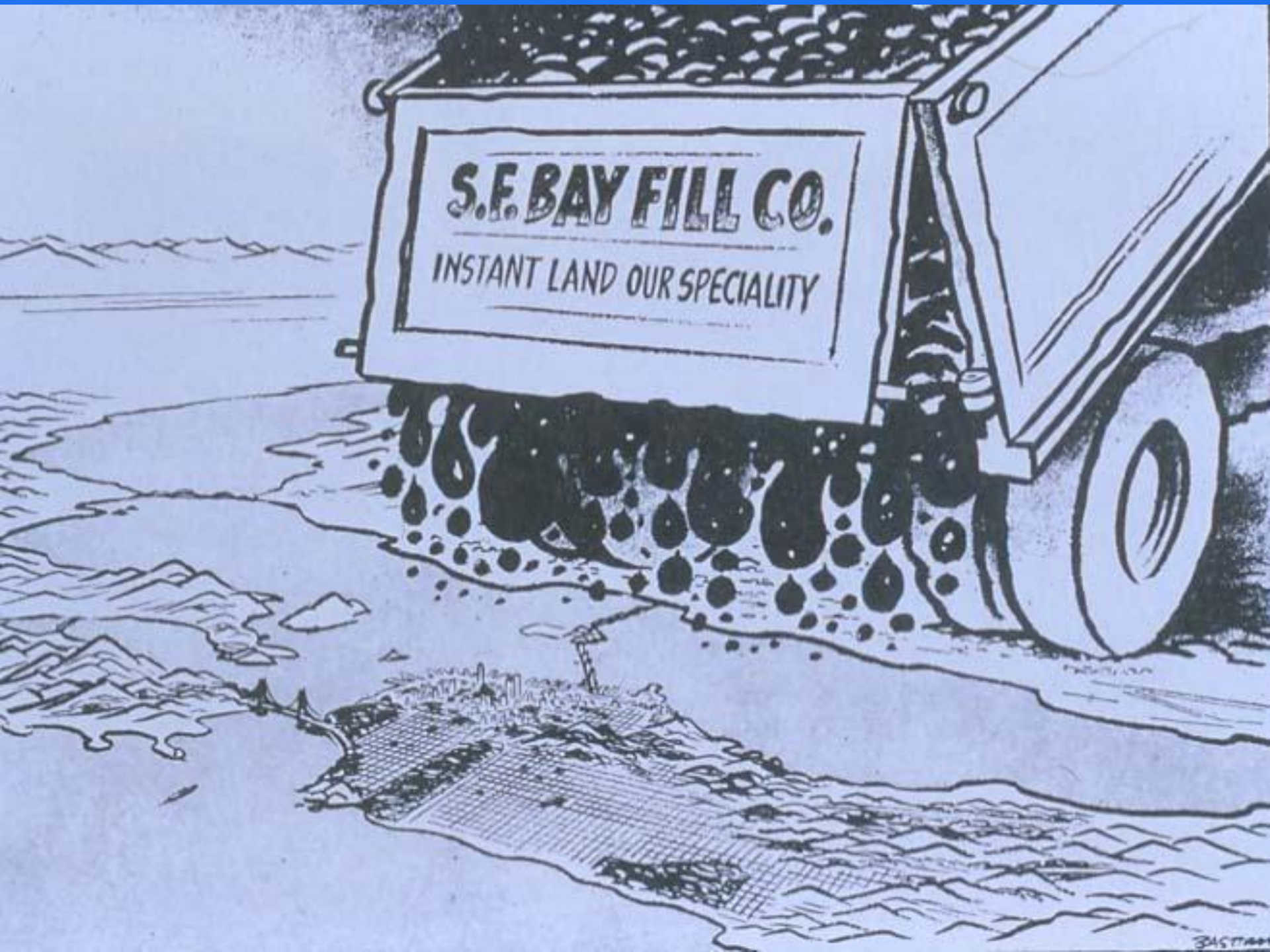












**S.F. BAY FILL CO.**

INSTANT LAND OUR SPECIALITY







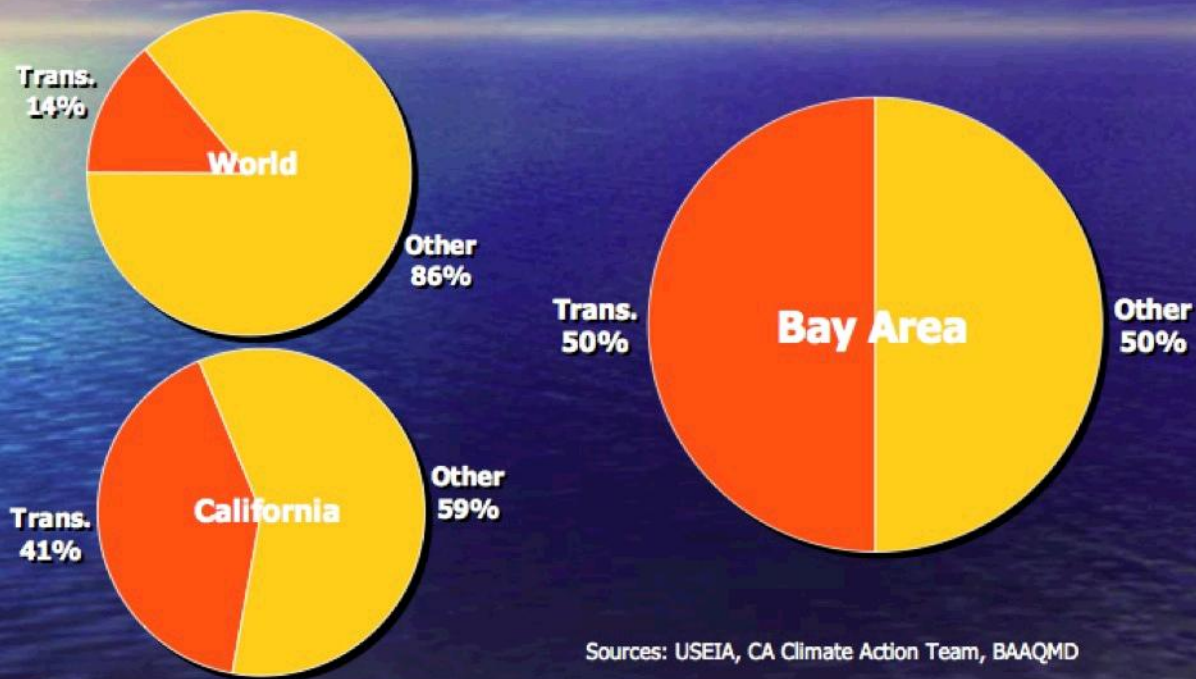
California Leadership

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Ending Global Warming



## Contributors: GHGs Compared







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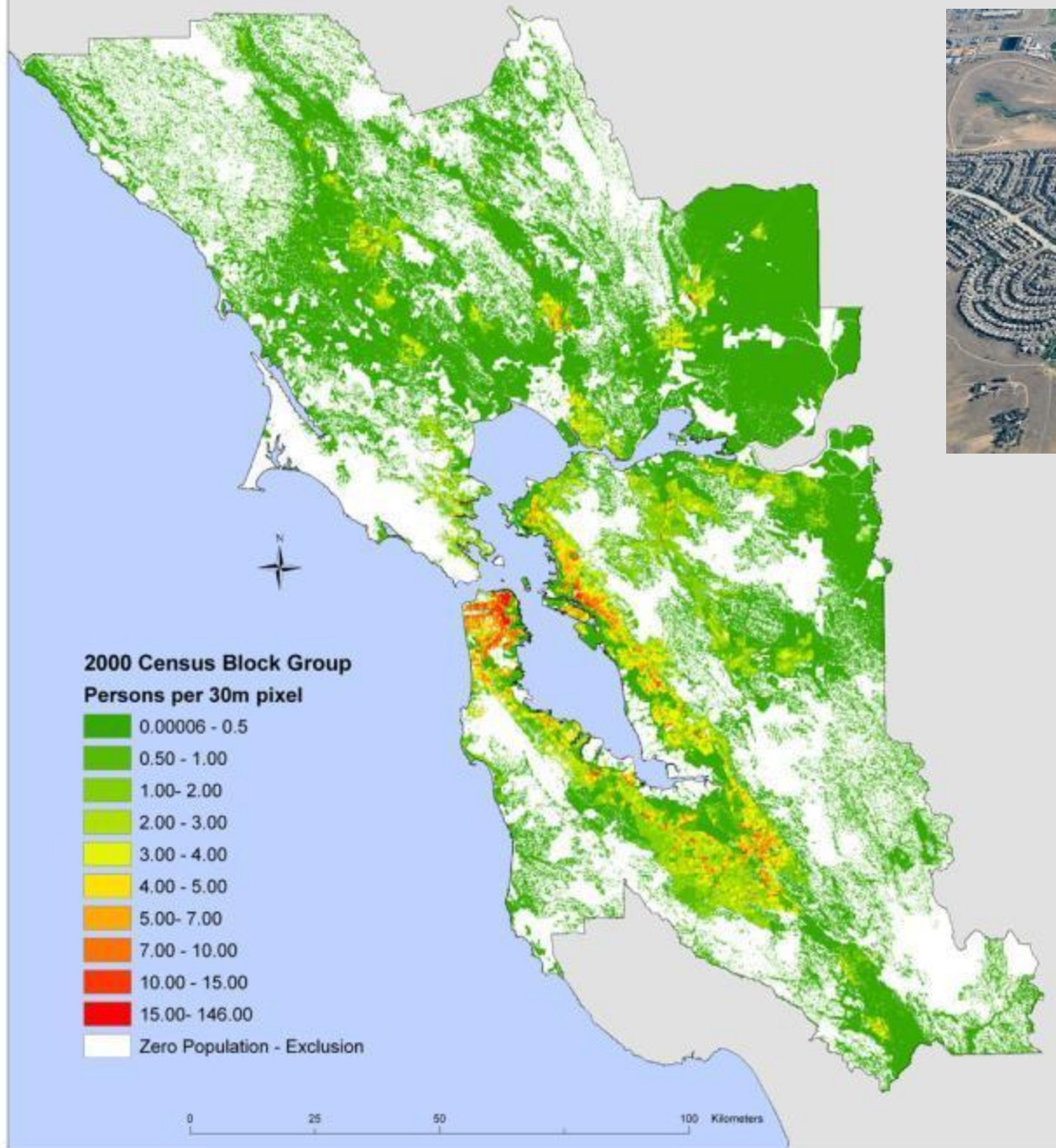




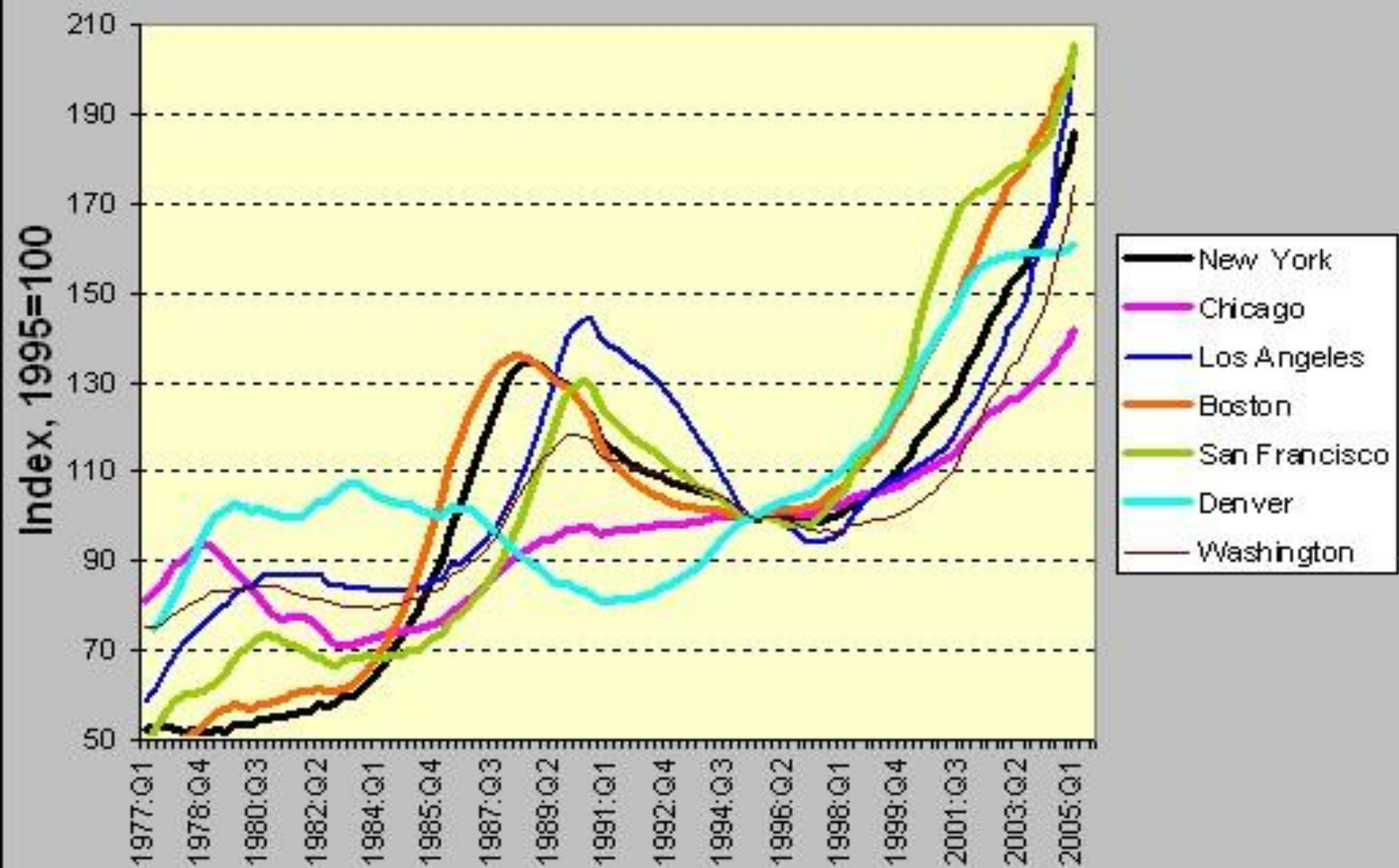




## 2000 Population Density for the San Francisco Bay Region



## Inflation-adjusted House Prices by Metro Area, 1977-2005







**HOME  
FOR  
SALE**



































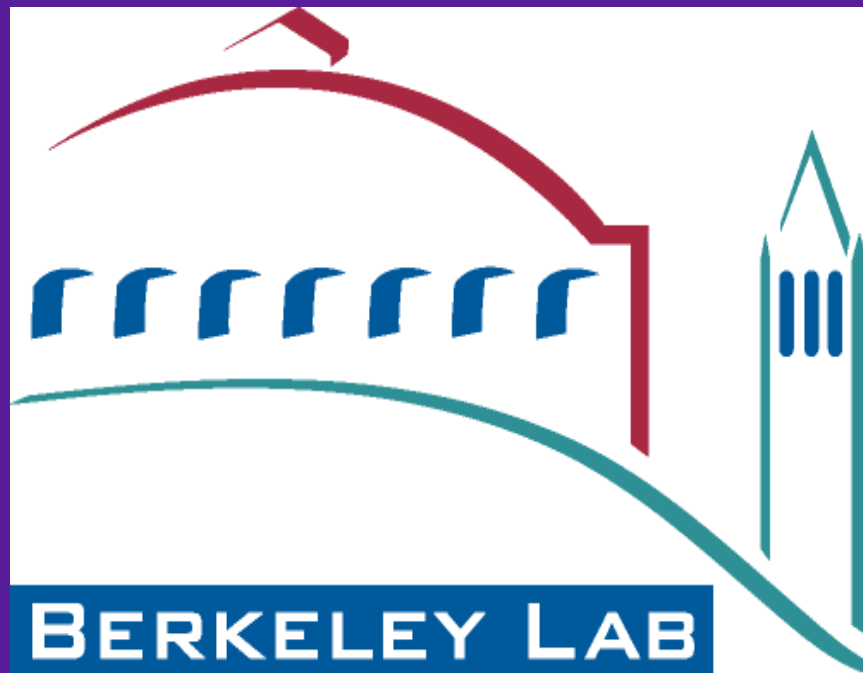








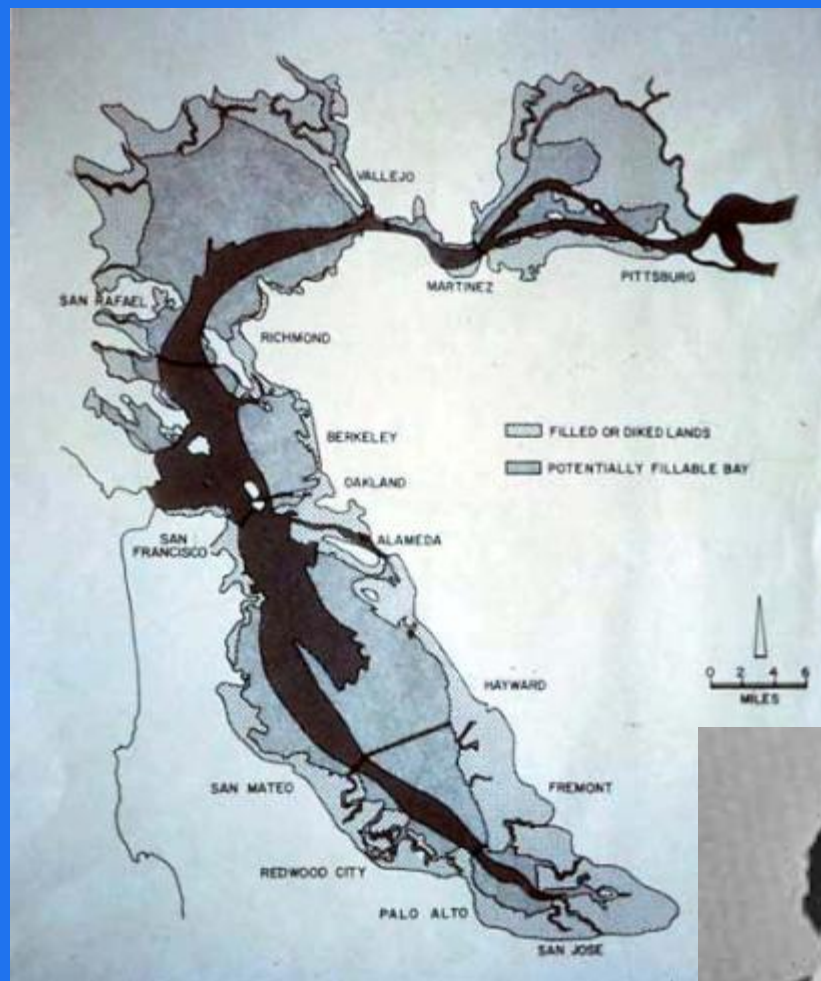




SILICON VALLEY

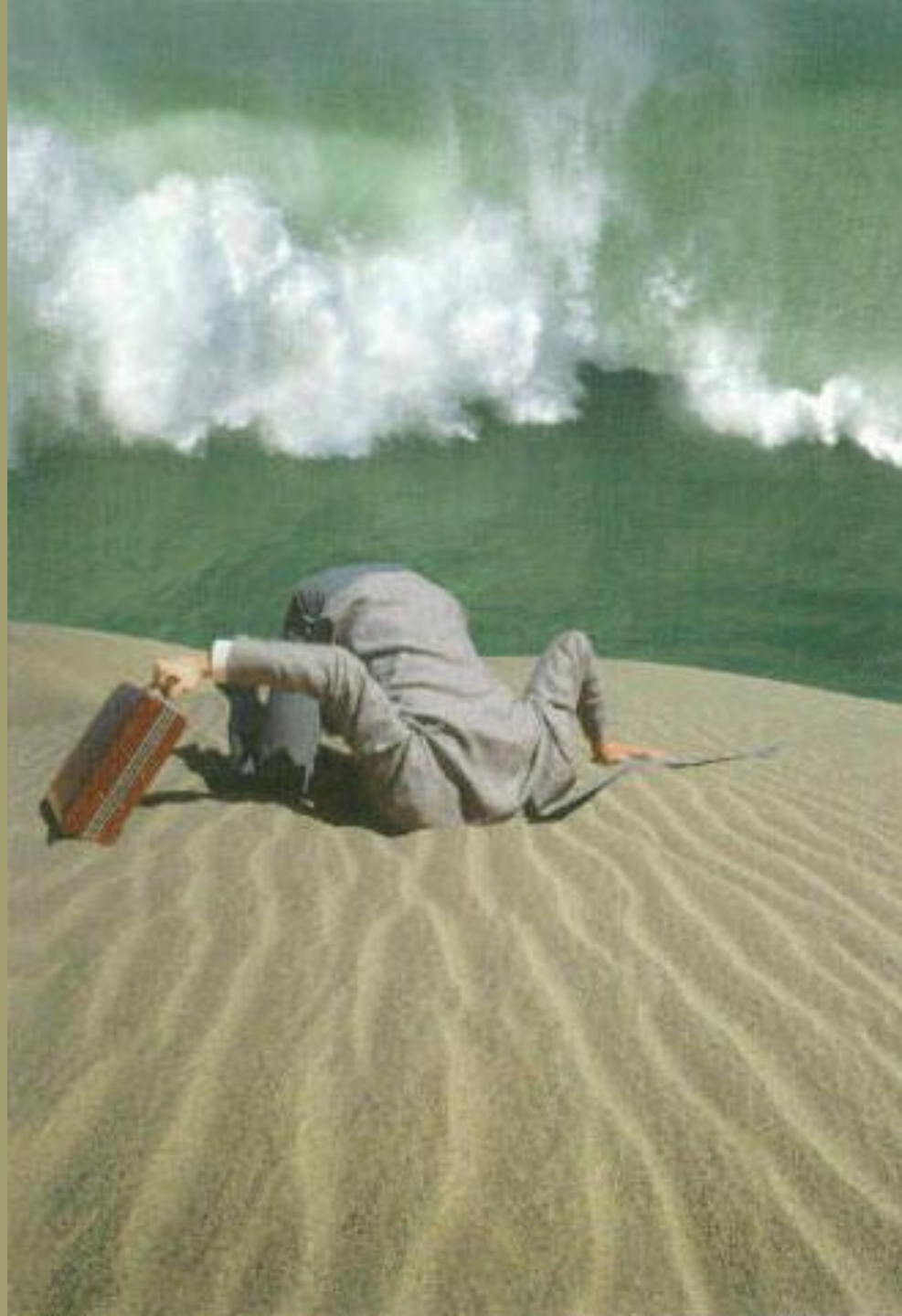


















The world we have created today, as a result of our thinking thus far, has problems that cannot be solved by thinking the way we thought when we created them.

--Albert Einstein

**SAN FRANCISCO BAY  
CONSERVATION AND DEVELOPMENT COMMISSION**

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